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“Knowledge is such a treasure which cannot be stolen”

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IS : 5508 (Parts XIX to XXI) - 1979

Indian Standard
GUIDE FOR FISHING GEAR



INDIAN STANDARDS INSTITUTION

**AMENDMENT NO. 1 SEPTEMBER 1998
TO
IS 5508 (PART 20) : 1979 GUIDE FOR FISHING GEAR
PART 20 DATA SHEET FOR 21.7-m (316 MESH)
BOTTOM FISH TRAWL NET**

(*Page 5*) — Substitute '1 Newton = 0.102 kgf (approximately)' for
'1 Newton is equivalent to 0.98 kgf'.

(TX 18)

Reprography Unit, BIS, New Delhi, India

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Indian Standard
GUIDE FOR FISHING GEAR

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INDIAN STANDARD GUIDE FOR FISHING GEAR: PART XIX DATA SHEET FOR 21.6-m (450 MESH) BOTTOM FISH TRAWL NET												
NAME OF GEAR: 21.6-m (450 Mesh) Bottom Fish Trawl Net					Vessel — Overall Length m, 23.85			Horse Power: 480-600				
TYPE: Two-seam					LOCALITY: South West Coast of India			MAIN SPECIES CAUGHT: Perches, Sciaenids, Cat fish, Ray, etc				
PARTICULARS OF WEBBING												
WEBBING	A	B	C	D	E	F	G	H	I	J	K	
Material	Polyethylene Monofilament Twisted/Braided											
Type of knot	Trawl knot											
Preservation	NIL											
Colour	As ordered											
Twine size (dia), mm	2	2	2	2	2	2	2	2	2	3	4 double	Nylon
*Breaking strength, kg (N)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	68(666)	165(1617)	
Stretched mesh, mm	140	140	140	140	140	110	120	100	80	70	140	
Upper edge, m	9	7	59	32	210	40	225	230	237	160	85	
Lower edge, m	59	32	75	40	193	71	192	190	70	160	85	
Depth, m	24½	24½	39½	39½	40½	40½	50½	60½	150½	86	20	
Cutting rate	—	All B	All B	All B	—	All B	—	—	—	—	—	—
Inner	—	All P	1P 3B	1P 8B	2P 1B	2P 1B	1P 1B	1P 1B	2P 5B	All P	All P	All P
Outer	—	—	—	—	—	—	—	—	—	—	—	—
Selvedge	3 Mesh double thread											
Hanging	$\frac{a}{A} = \frac{3.50}{3.43} \frac{b}{B} = \frac{3.50}{3.43} \frac{c}{C} = \frac{5.60}{5.53} \frac{d}{D} = \frac{5.60}{5.67} \frac{e}{E} = \frac{3.40}{8.40} \frac{f}{F} = \frac{5.60}{5.67} \frac{g}{G} = \frac{4.00}{8.26}$											
Total quantity, kg	133											
PARTICULARS OF LINES AND ROPES												
LINE/ROPE	a	b	c	d	e	f	g	h	i	j	k	
Material	Combination steel core											
Preservation	NIL											
Diameter, mm	16	16	16	16	16	16	16	12	12	16	12	
*Breaking strength, kg (N)	2200 (21560)											
Length, m	3.50	5.60	3.50	5.60	3.40	5.60	4.00	3.50	4.00	2.00	2.00	Along bar

PARTICULARS OF OTHER ACCESSORIES					OTHER INFORMATION
ACCESSORIES	FLOATS	SINKERS	SWEEP LINE	OUTER BOARDS	HEAD ROPE: 21.6 m FOOT ROPE: 33.4 m NOTE 1 — IS:5508 (Part I)-1969 'Guide for fishing gear: Part I General' forms a preface to this part. NOTE 2 — See Fig. 1. *1 Newton is equivalent to 0.98 kgf.
Number	11	—	2	2	
Material	Plastic	Rubline	Steel wire	Iron & wood	
Shape	Spherical	—	—	Oval (single suit)	
Diameter, mm	200	—	14	—	
Length, cm	—	3320	7000	237	
Breadth, cm	—	—	—	139	
Static buoyancy, kg	3.30	—	—	—	
Weight in air, kg (each)	0.910	75	—	460	

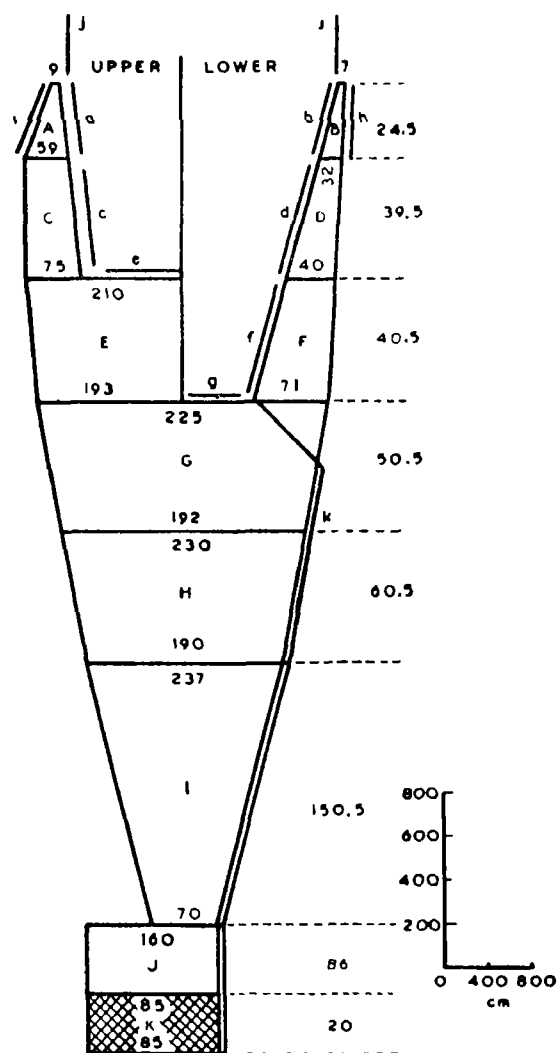


FIG. 1 21.6 m (450 MESH) BOTTOM FISH TRAWL NET

INDIAN STANDARD GUIDE FOR FISHING GEAR : PART XX DATA SHEET FOR 21.7-m (316 MESH) BOTTOM FISH TRAWL NET											
NAME OF GEAR 21.7-m (316 Mesh / Bottom Fish Trawl Net				Used — Overall Length m, 19.81				Horse Power 200-250			
TYPE: Two-seam				LOCALITY South West Coast of India				MAIN SPECIES CAUGHT Perches, Scianids, Cat fish, Rav, etc			
PARTICULARS OF WEBBING											
WEBBING	A	A ₁	B	B ₁	C	D	E	F	G	H	I
Material	Polyethylene Monofilament Twisted										
Type of knot	Trawl knot										
Preservation	NIL										
Colour	As ordered										
Twine size (dia), mm	2	2	2	2	2	2	2	2	2	3	4 double
*Breaking strength, kg (N)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	34(333)	68(666)	165(1617)
Stretched mesh, mm	120	120	120	120	120	120	120	100	80	70	140
Upper edge, m	33	8	24	8	190	53	158	161	88	132	70
Lower edge, m	67	33	53	24	158	57	134	70	58	132	70
Depth, m	65	16	65	16	24	24	24	90	105	186	20
Cutting rate $\frac{\text{Inner}}{\text{Outer}}$	$\frac{1M10B}{1P4B}$	$\frac{\text{All } B}{1P2B}$	$\frac{1M10B}{1P6B}$	$\frac{\text{All } B}{\text{All } P}$	$\frac{—}{1P4B}$	$\frac{1M12B}{\text{All } B}$	$\frac{—}{1P2B}$	$\frac{—}{1P2B}$	$\frac{—}{3P1B}$	$\frac{—}{\text{All } P}$	$\frac{—}{\text{All } P}$
Selvedge	3 Mesh double thread										
Hanging	$\frac{a}{A} = \frac{8.10}{7.8}$	$\frac{a_1}{A_1} = \frac{2.00}{1.98}$	$\frac{b}{B} = \frac{8.10}{7.80}$	$\frac{b_1}{B_1} = \frac{2.00}{1.98}$	$\frac{c}{C} = \frac{1.50}{6.78}$	$\frac{d}{D} = \frac{3.00}{2.88}$	$\frac{e}{E} = \frac{1.32}{5.28}$	—	—	—	—
Total quantity, kg	116										
PARTICULARS OF LINES AND ROPES											
LINE/ROPE	a	a ₁	b	b ₁	c	d	e	f	g	h	i
Material	Polyethylene										
Preservation	NIL										
Diameter, mm	16	16	16	16	16	16	16	16	12	12	12
*Breaking strength, kg (N)	2200 (21560)										
Length, m	8.10	2.00	8.10	2.00	1.50	3.00	1.32	7.00	along bar	2.4	2.3

INDIAN STANDARD GUIDE FOR FISHING GEAR: PART XXI DATA SHEET FOR 33-m (600 MESH) BOTTOM FISH TRAWL NET												
NAME OF GEAR 33-m (600 Mesh) Bottom Fish Trawl Net				LOCALITY South West Coast of India				Overall Length m, 23 85 27 30				Horse Power: 480-750
TYPE: Two-seam				MAIN SPECIES CAUGHT Perches Scianids, Cat fish, Ray, etc								
PARTICULARS OF WEBBING												
WEBBING	A	A ₁	B	B ₁	C	D	E	F	G	H	I	
Material	Polyethylene Monofilament Twisted Braided											
Type of knot	Trawl knot											
Preservation	NIL											
Colour	As ordered											
Twine size (dia), mm	3	3	3	3	3	3	3	3	3	3	3	Nylon
*Breaking strength, kg (N)	68 (666)	68 (666)	68 (666)	68 (666)	68 (666)	68 (666)	68 (666)	68 (666)	68 (666)	68 (666)	68 (666)	Tarred
Stretched mesh, mm	120	120	120	120	120	120	120	120	100	80	70	4 double
Upper edge, m	100	33	85	25	334	128	300	300	300	175	160	165 1617)
Lower edge, m	150	100	128	85	300	135	250	250	140	70	160	140
Depth, m	75	45	75	45	25	25	25	50	120	105	120	85
Cutting rate	Inner	All B	1M 6B	All B	—	2P 1B	—	—	—	—	—	20
Outer	1P 4B	1P 2B	1P 6B	1P 6B	1P 4B	1P 5B	1P 2B	1P 4B	1P 2B	All P	All P	All P
Selvedge	3 Mesh double thread											
Hanging	$\frac{a}{A} = \frac{10.80}{9.00}$	$\frac{a_1}{A_1} = \frac{5.30}{5.40}$	$\frac{b}{B} = \frac{10.8}{9.00}$	$\frac{b_1}{B_1} = \frac{5.30}{5.40}$	$\frac{c}{C} = \frac{0.80}{4.08}$	$\frac{d}{D} = \frac{3.00}{3.00}$	$\frac{e}{E} = \frac{0.70}{3.60}$	—	—	—	—	—
Total quantity, kg	232											
PARTICULARS OF LINES AND ROPES												
LINE/ROPE	a	a ₁	b	b ₁	c	d	e	f	g	h	i	
Material	Combination steel core											
Preservation	NIL											
Diameter, mm	20	20	20	20	20	20	20	20	12	16	16	Polyethylene
*Breaking strength, kg (N)	10 80	5 40	9 00	5 40	4 08	3 00	3 60	2 00	12 (11760)	2200 (21560)	22 (21560)	
Length, m	10 80	5 40	9 00	5 40	4 08	3 00	3 60	2 00	along bar	5 00	4 80	

PARTICULARS OF OTHER ACCESSORIES					OTHER INFORMATION
ACCESSORIES	FLOATS	SINKERS	SWEEP LINE	OTTER BOARDS	HEAD ROPE: 33.0 m FOOT ROPE: 38.9 m NOTE 1 — IS : 5508 (Part I)-1969 'Guide for fishing gear: Part I General' forms preface to this part. NOTE 2 — See Fig. 1. *1 Newton is equivalent to 0.98 kgf.
Number	17	—	2	2	
Material	Plastic	Rubline	Steel wire	Iron & wood	
Shape	Spherical	—	—	Oval (single slit)	
Diameter, mm Length, cm Breadth, cm Static buoyancy, kg Weight in air, kg (each)	200 — — 3.30 0.91	— 3870 — — 120	14 7000 — — —	237 139 — 460	

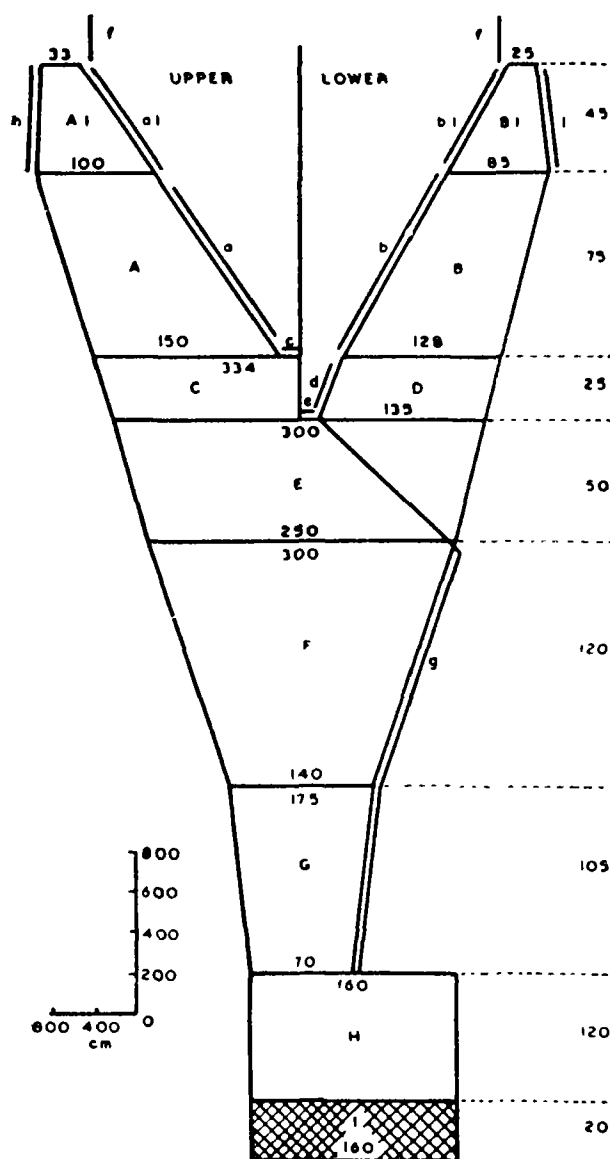


FIG. 1 33-m (600 MESH) BOTTOM FISH TRAWL NET

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INDIAN STANDARDS INSTITUTION

Manak Bhavan, 9 Bahadur Shah Zafar Marg, NEW DELHI 110002

Telephones : 26 60 21, 27 01 31

Telegrams : Manaksanstha

Regional Offices:

Western : Novelty Chambers, Grant Road	BOMBAY 400007	37 97 29
Eastern : 5 Chowringhee Approach	CALCUTTA 700072	23-08 02
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